



NC/QC/W-13/2018-19/SM-BC1

Date: 25-10-2018

1. TEST REPORT ON BITUMINOUS MIXES :

(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: To determine the percentage of bitumen and gradation for BC mix sample.

{Project*: Improvements of Asphalting At 8th And Others Roads Santhoshnagara in
Mallasandra Ward No 13 Shettyhalli Sub Division}

Ref.: Material testing/W-13/QC/18-19,

Report Required for: Assistant Executive Engineer,
Shettyhalli Sub division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Technical Manager, KRIDL.

TEST RESULTS

A. Type of Construction : Bituminous Concrete

1. The bitumen content obtained after subjecting the sample for Bitumen Extraction test = **5.43 %**

2. Gradation Test

TABLE 1.1

Sieve Size, mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Gradation requirement as per Table 500-17 of MORTH Specifications- 2013 BC (Grading - 2)
19.0	100	100
7.5	98.15	90-100
4.75	85.60	70-88
2.5	63.45	53-71
2.36	52.30	42-58
1.18	45.15	34-48
0.600	32.90	26-38
0.300	21.65	18-28
0.150	18.75	12-20
0.075	7.65	4-10

KIRAN. R

M.E, (Civil-Engg)

Signature
Proprietor



NC/QC/W-13/2018-19/SM-BS1

Date: 26-10-2018

1. TEST REPORT ON BITUMINOUS MIXES :
(STABILITY OF BITUMINOUS MIX)

Sub: To determine the stability of bituminous mix for BC mix sample.

{Project*: Improvements of Asphaltting At 8th And Others Roads Santhoshnagara in
Mallasandra Ward No 13 Shettyhalli Sub Division}

Ref.: Material testing/W-13/QC/18-19,

Report Required for: Assistant Executive Engineer,
Shettyhalli Sub division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Technical Manager, KRIDL.

TEST RESULTS

Table 1: Properties of BC (Gr-2) Mix

Sl. No.	Test Property	*Test results obtained by Marshall method	Requirements of Bituminous Concrete, Grade-2 as per M.o.R.T&H (V Revision)-2013 Specifications
1	Marshall Stability (75 blows) (At 60°C), kgs	1370	900
2	Marshall Flow at 60°C, mm.	3.39	2.0 - 4.0

K. R.
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Page No. 1/1

For Newzen Consultants Bangalore

Proprietor



NC/QC/W-13/2018-19/SM-BC2

Date: 26-10-2018

1. TEST REPORT ON BITUMINOUS MIXES :

(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: To determine the percentage of bitumen and gradation for BC mix sample.

{Project*: Improvements of Asphaltting At 8th And Others Roads Santhoshnagara in Mallasandra Ward No 13 Shettyhalli Sub Division}

Ref.: Material testing/W-13/QC/18-19,

Report Required for: Assistant Executive Engineer,
Shettyhalli Sub division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Technical Manager, KRIDL.

TEST RESULTS

A. Type of Construction : Bituminous Concrete

1. The bitumen content obtained after subjecting the sample for Bitumen Extraction test = 5.41 %

2. Gradation Test

TABLE 1.1

Sieve Size, mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Gradation requirement as per Table 500-17 of MORTH Specifications- 2013 BC (Grading - 2)
19.0	100	100
13.2	98.25	90-100
9.5	84.10	70-88
4.75	69.75	53-71
2.36	54.60	42-58
1.18	39.15	34-48
0.600	31.05	26-38
0.300	25.80	18-28
0.150	17.55	12-20
0.075	8.45	4-10

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Page No. 1/1

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